

Appl. No. : 09/892,900
Filed : June 26, 2001

AMENDMENTS TO THE CLAIMS

Please amend the claims as set forth in the following listing of claims, which replaces all prior versions and listings of the claims.

1-13. (Canceled)

14. (Currently Amended) An infusion pump comprising:

a first shell defining a non-planar interior surface;

a second shell removably secured to said first shell;

a platen defining a non-planar surface complementary to said interior surface of said first shell, said platen being positioned between said first and second shells such that said non-planar surface of said platen faces said interior surface of said first shell and defines a variable-volume space therebetween, said space being configured to hold a fluid delivery bag therein;

a rod positioned between said platen and said second shell and extending in a direction parallel to said non-planar surface of said platen;

a first block and a second block, wherein each of said first and second blocks slides upon said rod;

a first ~~parallel~~ parallelogram linkage and a second ~~parallel~~ parallelogram linkage, said first ~~parallel~~ parallelogram linkage positioned on a first side of said first and second blocks and said second ~~parallel~~ parallelogram linkage positioned on a second side of said first and second blocks, wherein each of said first and second ~~parallel~~ parallelogram linkages is rotatably coupled to said platen, said second shell, said first block and said second block;

a first spring and a second spring, said first spring applying a first spring force to said first block and said second spring applying a second spring force to said second block, wherein said first and second spring forces tend to move said first and second blocks toward one another to bias said platen in a first direction to decrease the volume of said space;

wherein said platen is configured to compress said fluid delivery bag to expel fluid therefrom when said platen is moving in said first direction.

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15. (Canceled)

16. (Canceled)

17. (Previously Presented) The infusion pump of Claim 14, wherein said first and second shells are generally circular in outer shape.

18-29. (Canceled)

30. (Previously Presented) The infusion pump of Claim 14, wherein each of said platen and said interior surface include a substantially planar central portion and a non-planar annular portion surrounding said central portion.

31-39. (Canceled)

40. (Previously Presented) The infusion pump of Claim 14, wherein said rod passes through both said first spring and said second spring.

41. (Previously Presented) The infusion pump of Claim 40, further comprising a first nut on a first end of said rod and movable relative to said rod to adjust a tension on said first spring and a second nut on a second end of said rod and movable relative to said rod to adjust a tension of said second spring.

42. (Previously Presented) The infusion pump of Claim 14, wherein said first block includes a first recess to accommodate a portion of said first spring therein and said second block includes a second recess to accommodate a portion of said second spring therein.